

Plasticity of Mycoplasmas: Changes in the Genomic Profile, as well as in the Cellular and Vesicular Proteomes of the *Acholeplasma laidlawii* in Adapting the Bacterium to Different Environmental Conditions

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Abstract

© 2016, Springer Science+Business Media New York. For the first time as a result of the comparative analysis of proteomes of cells and extracellular vesicles, as well as the complete nucleotide sequence of *Acholeplasma laidlawii* cells under various conditions of growth of the mycoplasma, the evidence of a high level of plasticity of this bacterium, providing a rapid adaptation to stressors associated with the SOS response, was obtained. The battery of genes with targeted potential for the infection control system using CRISPR tools was revealed.

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Keywords

Extracellular vesicles, Genome, Mycoplasma, Plasticity, Proteome

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